

Converting Colors

CIELCh(37, 19.662, 114.381)

Have a look what the booklet for
CIELCh(37, 19.662, 114.381)
contains.

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Color

CIELCh(37, 19.535, 113.879)

Conversions

Conversions Part 1

Format	Color
Hex	555A3A
RGB	85, 90, 58
RGB Percent	33%, 35%, 23%
CMY	0.6669, 0.6472, 0.7727
CMYK	0.06, 0.00, 0.36, 0.65
HSL	69°, 22%, 29%
HSV	69°, 36%, 35%
XYZ	8.1563, 9.5379, 5.4078
YIQ	84.8570, 7.2920, -11.0120

Conversions

Conversions Part 2

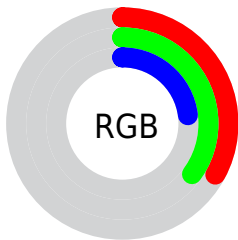
Format	Color
RYB	58, 90, 63
Decimal	5593658
CIELab	37.00, -7.91, 17.86
CIELCh	37, 19.535, 113.879
Yxy	9.5379, 0.3531, 0.4129
Android (android.graphics.Color)	4283783738 (0xFF555A3A)
YUV	84.8570, -13.2405, 0.1254
Hunter-Lab	30.8835, -6.9046, 11.2365

Details


The CIELCh color $[37, 19.535, 113.879]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[26, 21.100, 299.344]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 19.286, 114.177]$, and $[17, 19.259, 113.434]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 24.798, 113.229]$, and if you desaturate by 10%, it is $[37, 14.127, 114.562]$.

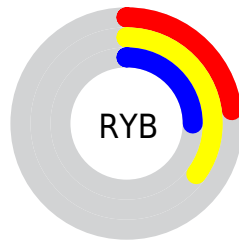
Distribution



 Red (33%)

 Green (35%)

 Blue (23%)




 Red (23%)

 Yellow (35%)

 Blue (25%)

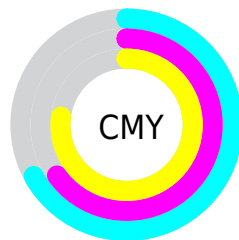


 Cyan (6%)

 Magenta (0%)

 Yellow (36%)

 Black (65%)



 Cyan (67%)


 Magenta (65%)


 Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 19.535, 113.879 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 37, 19.535, 113.879 by changing the saturation by 10% instead.


 37, 19.535,
113.879


 37, 19.535,
113.879

 100, 19.535,
113.879


 27, 19.535,
113.879

 57, 19.535,
113.879


 17, 19.535,
113.879


 67, 19.535,
113.879

 7, 19.535, 113.879

 77, 19.535,
113.879

 0, 19.535, 113.879

 87, 19.535,
113.879

 97, 19.535,
113.879

■ 37, 19.535,
113.879

■ 37, 19.535,
113.879

■ 37, 24.798,
113.229

■ 37, 14.127,
114.562

■ 36, 29.826,
112.632

■ 38, 8.632, 115.250

■ 36, 34.490,
112.130

■ 38, 3.091, 115.931

■ 36, 38.615,
111.775

■ 38, 2.467, 296.597

■ 36, 41.984,
111.630

■ 39, 13.558,
297.849

■ 36, 44.689,
111.659

■ 40, 19.066,
298.431

■ 36, 45.955,
111.634

■ 40, 24.537,
298.980

■ 41, 29.963,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37, 19.535, 113.879



26, 21.100, 299.344

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37, 19.535, 113.879



37, 19.535, 163.879



37, 19.535, 293.879



37, 19.535, 343.879

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37, 19.536, 113.882



49, 7.594, 115.539



29, 13.528, 34.490



24, 5.050, 115.486



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 19.536, 113.882



48, 29.157, 113.303



36, 21.711, 132.594



19, 3.161, 115.709



43, 52.832, 111.843



88, 93.297, 112.398

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26, 21.100, 299.344



31, 32.245, 300.334



28, 22.367, 315.547



17, 3.221, 296.930



11, 70.823, 307.218



31, 125.542, 306.844

Previews

White Background



This preview shows how the CIELCh color 37, 19.535, 113.879 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 19.535, 113.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

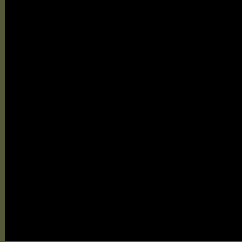
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 19.535, 113.879

Background



This preview shows how black text looks on a background with the CIELCh color 37, 19.535, 113.879.



This preview shows how white text looks on a background with the CIELCh color 37, 19.535, 113.879.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37, 19.535, 113.879

Protanopia

37, 18.707, 95.343

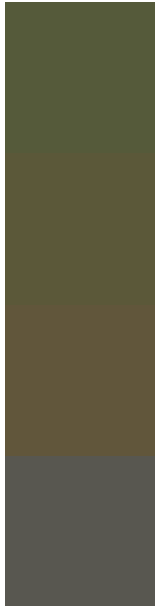
Deuteranopia

37, 18.080, 73.688



Tritanopia
37, 3.935, 309.317

Trichromacy



Original Color
37, 19.535, 113.879

Protanomaly
37, 18.907, 102.736

Deuteranomaly
37, 17.381, 89.850

Tritanomaly
37, 4.328, 103.660

Monochromacy



Original Color
37, 19.535, 113.879

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 7.447, 115.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 19.535, 113.879 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(85, 90, 58)` looks like.

```
.text, #text, p{  
    color:rgb(85, 90, 58)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(85, 90, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 90, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 19.535, 113.879 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 90, 58) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(85, 90, 58) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(85, 90, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 90, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 90, 58);  
box-shadow:4px 4px 4px 4px rgb(85, 90, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 19.535, 113.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 90, 58) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(85, 90,  
58) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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